ETP1020N

**10BaseT to 10BaseT
Fault Tolerant Transceiver**

Features

- **Ensures connection even if a segment is damaged or sabotaged.**

- **User selectable configuration, ETP1020N to ETP1020N or ETP1020N to Hub or LAN switch.**

- **Intelligent unit detects both loss of link pulse and loss of data**

- **User selectable 2.5 second hunt or NO hunt option**

- **Half duplex/Full duplex**

- **Two power supply jacks for redundant power supply**

- **Cross over switch on all three RJ45 connectors**

- **Compact rugged steel enclosure**

- **Designed & Manufactured in the USA**

Overview

EtherCom ETP1020N with its fault tolerant function has been engineered for use in applications where connectivity integrity is crucial. This makes this unit ideal for medical, banking, industrial control, telecommunications, nuclear installations, security, law enforcement and military applications where network signal integrity is essential,

Description

ETP1020N Fault Tolerant Transceiver (FTT) has an RJ45 to connect to the network device and two RJ45s for user selectable primary and secondary cable segments. The FTT hunts between these two segments to ensure that data can be transmitted at all times because the user has now added a fault tolerant redundant path. These two segments can be connected to a second ETP1020N or two ports of a standard 10BaseT Hub. The added insurance of dual power supply inputs makes the ETP1020N the first choice of MIS professionals with critical applications.

The user selectable parameter options, half or full duplex, segment A or B priority, hunt speed of 2.5 sec

or **NO** hunt, and ETP1020N to ETP1020N or ETP1020N to hub or LAN switch, makes this unit exceptionally flexible and ideal for many different applications.

Power option of 12 Vdc input or 24 Vdc input.

Monitoring of the unit is simple with a complement of 10 LEDs that display LK (link) and REC (receive) on each RJ45, ENBL (enable) on segments A & B, global COL (collision) and PWR (power).

Each RJ45 connector has its own crossover switch allowing installation with standard twisted pair cables and eliminating the need for bothersome cross over cables.

ETP1020N Technical Specifications:

Network Standards	Ethernet IEEE 802.3	
Speed	10 Mbps	
Power Requirements	*Input Voltage;*	110- 230 Vac
	Output Voltage;	12 VDC, 1.0 amp
		24V dc option is also available
LEDs	Total 10	
		1 for Power, 1 for Collision, 2 for each connector displaying Link & Receive and Enable for segment A & B.
Weight	3 lbs. (1.4 kg)	
		including power supply
Dimensions	4.6" x 2.8" x 0.8"	(11.7 cm x 7.3 cm x 1.7 cm)
Environmental	*Operating Temperature*	32 to 122F (0 to 50 C)
	Storage Temperature	-4 to 140F (-20 to 60 C)
	Relative Humidity	5% to 95% (non-condensing)
Switches	3 Cross over - 1 for each RJ45 Connector. 4 position DIP. 1) Unit to Unit/Unit to Hub. 2) Half/Full Duplex. 3) Hunt Speed. 4) Priority Segment A/B	
Connectors	3 Fully Shielded RJ45 connectors. 2 D C Power Jacks	
Cabling	UTP Category 3,4 or 5, *maximum cable distance* 100 meters	
EMI & Safety	FCC Class A, CE	
Warranty	5 years	

Ordering Information

Part Number	Description
ETP1020N	Fault Tolerant Transceiver with 110 -240Vac power supply
ETP1020N-24V	Fault Tolerant Transceiver for 24Vdc operation